

## CLAIMS

### What is claimed is:

1. A method comprising:  
identifying data for transmission;  
determining a number of time-slots available for the transmission; and  
identifying a data packet from a plurality of data packets to transmit a portion of the data.
2. The method of claim 1, wherein the identifying the data packet includes identifying a data packet from the plurality of data packets which can transmit a largest portion of the data within the time-slots available.
3. The method of claim 1, wherein the data includes at least a minimum amount of data required by the data packet.
4. The method of claim 1, further comprising identifying a data packet from a plurality of data packets to transmit all the data.
5. The method of claim 1, wherein the identifying the data packet includes identifying a data packet from the plurality of data packets which is least prone to a transmission error.

6. The method of claim 1, wherein the identifying the data packet includes identifying a data packet which can be transmitted in a transmitter logic low power mode.

7. A computer-readable medium having stored thereon a set of instructions to translate instructions, the set of instructions, which when executed by a processor, cause the processor to perform a method comprising:

identifying data for transmission;

determining a number of time-slots available for the transmission; and

identifying a data packet from a plurality of data packets to transmit a portion of the data.

8. The medium of claim 7, wherein the identifying the data packet includes identifying a data packet from the plurality of data packets which can transmit a largest portion of the data within the time-slots available.

9. The medium of claim 7, wherein the data includes at least a minimum amount of data required by the data packet.

10. The medium of claim 7, further comprising identifying a data packet from a plurality of data packets to transmit all the data.

11. The medium of claim 7, wherein the identifying the data packet includes identifying a data packet from the plurality of data packets which is least prone to a transmission error.

12. The medium of claim 7, wherein the identifying the data packet includes identifying a data packet which can be transmitted in a transmitter logic low power mode.

13. A computing system comprising:

a first programmable module to identify data for transmission;

a second programmable module to determine a number of time-slots available for the transmission; and

a third programmable module to identify a data packet from a plurality of data packets to transmit a portion of the data.

14. The computing system of claim 13, wherein the computing system includes a computer network router.

15. The computing system of claim 13, wherein the third programmable module identifies a data packet least prone to a transmission error.

16. The computing system of claim 13, wherein the third programmable module identifies a data packet which can be transmitted in a transmitter logic low power mode.